

Polarization Maintaining Faraday Mirror (DL-PMFM-WW-X-Y-Z)

The Polarization Maintaining Faraday Mirror is a device that provides 90 degree rotation regarding to the polarization state of the input light. It provides the lowest possible insertion loss and high environmental stability. It is widely used in amplifiers, fiber lasers and fiber instruments to minimize the polarization effect.

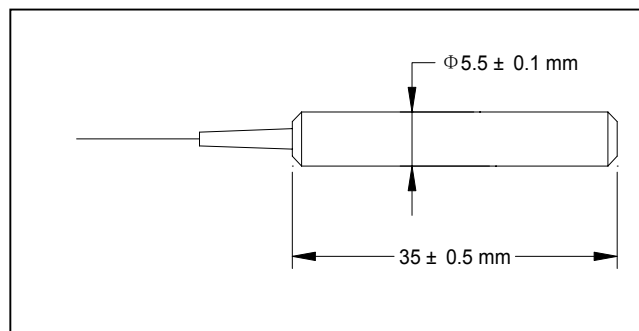
A. Specifications

Parameter	Value	Unit
Center Wavelength (λ_c)	1310, 1480 or 1550	nm
Operating Wavelength Range	$\lambda_c \pm 15$	nm
Max. Insertion Loss	0.6	dB
Faraday Rotation Angle (single pass)	45	degree
Max. Rotation Angle Tolerance, 23 °C	± 3	degree
Min. Extinction Ratio	20	dB
Max. Optical Power (Continuous Wave)	300	mW
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

Connector key is aligned to slow axis.

B. Package Dimensions



C. Ordering Information

DL-PMFM-WW-X-Y-Z

WW: Wavelength	X: Connector Type	Y: Fiber Type	Z: Fiber Length
31 - 1310 nm	1 - FC/UPC	B - 250 μ m Panda fiber	Q - 0.75 m
48 - 1480 nm	2 - FC/APC	D - 400 μ m Panda fiber	S - Specify
55 - 1550 nm	3 - SC/UPC	L - 900 μ m loose tube	
SS - Specify	4 - SC/APC	S - Specify	
	N - None		